## EAST Search History

| Ref # | Hits | Search Query | DBs | Default Operator | Plurals | Time Stamp |
|-------|------|--------------|-----|------------------|---------|------------|
| S1 | 2 | ("20070176217").PN. | US-PGPUB; DERWENT | OR | OFF | 2009/01/11 17:40 |
| S2 | 1 | S1 and ferroelectric with optimiz$3 | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | OR | OFF | 2009/01/11 18:16 |
| S3 | 1 | wo-0115260-$ wo-200115260-$ wo-115260-$ | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | OR | OFF | 2009/04/19 21:52 |
| S4 | 3 | (("6646522") or ("20040036553")).PN. | US-PGPUB; USPAT; DERWENT | OR | OFF | 2009/04/19 21:55 |
| S5 | 1 | S4 and (nm micron) | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | OR | OFF | 2009/04/19 21:57 |
| S6 | 3 | S4 and (nm micron gold au platinum pt) | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | OR | OFF | 2009/04/19 21:58 |
| S7 | 3 | S4 and (nm micron gold au platinum pt thick thickness) | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2009/04/19 21:58 |
| S8 | 0 | S4 and silicon and adhesion and (metal metallic gold copper platinum) | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2009/04/19 22:02 |

| S9 | 0 | S4 and silicon and adhesion | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2009/04/19 22:02 |
|---|---|---|---|---|---|---|
| S10 | 2 | S4 and adhesion | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2009/04/19 22:02 |
| S11 | 2 | S4 and substrate and oxide and adhesion and (metal metallic gold copper platinum) | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2009/04/19 22:02 |
| S12 | 34 | ("5032805" \| "5079557" \| "5212463" \| "5218358" \| "5307033" \| "5312790" \| "5355104" \| "5427988" \| "5451567" \| "5472935" \| "5479139" \| "5486491" \| "5504059" \| "5557286" \| "5561407" \| "5589845" \| "5610563" \| "5617103" \| "5635433" \| "5635434" \| "5693429" \| "5694134" \| "5721194" \| "5766697" \| "5777531" \| "5830591" \| "5846893" \| "5847620" \| "5869429" \| "5917455" \| "5940030" \| "6045932" \| "6078827" \| "6216020"). PN. | US-PGPUB; USPAT; USOCR | OR | OFF | 2009/04/19 22:05 |
| S13 | 0 | S12 and silicon and adhesion | US-PGPUB; USPAT; USOCR | OR | OFF | 2009/04/19 22:05 |
| S14 | 9 | S12 and silicon | US-PGPUB; USPAT; USOCR | OR | OFF | 2009/04/19 22:05 |
| S15 | 2 | ("20070176217").PN. | US-PGPUB; DERWENT | OR | OFF | 2009/04/19 22:09 |
| S16 | 2 | S15 and substrate and oxide and adhesion and (metal metallic gold copper platinum) | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2009/04/19 22:09 |
| S21 | 2 | (("5,640,042") or ("5,721,194")).PN. | US-PGPUB; USPAT | OR | OFF | 2009/04/19 22:15 |

| S22 | 2 | S21 and (substrate silicon oxide metallic metal copper platinum gold au Cu pt Ti titanium) | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | OR | OFF | 2009/04/19 22:16 |
|-----|---|-----|-----|-----|-----|-----|
| S23 | 2 | (("20020130734") or ("20060152303")).PN. | US-PGPUB; USPAT | OR | OFF | 2009/04/19 22:21 |
| S24 | 4 | ("20020186099" \| "20020130734" \| "5227748" \| "6084503").PN. | US-PGPUB; USPAT; USOCR | OR | ON | 2009/04/19 22:22 |
| S25 | 2 | S24 and silicon and (gold platinum) and oxide | US-PGPUB; USPAT; USOCR | OR | ON | 2009/04/19 22:22 |
| S26 | 14 | silicon adj substrate and ferroelectric with varactor | US-PGPUB; USPAT; USOCR | OR | ON | 2009/04/19 22:57 |
| S27 | 1 | kuylenstierna and ferroelectric with varactor | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2009/04/20 10:07 |
| S28 | 28 | kuylenstierna | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2009/04/20 10:07 |
| S29 | 10 | ("20020187902" \| "20060061438" \| "20070024400" \| "5389943" \| "6563153" \| "6563404" \| "6747357" \| "7030463" \| "7145412").PN. | DERWENT | OR | ON | 2009/04/20 10:24 |
| S30 | 9 | ("20020187902" \| "20060061438" \| "20070024400" \| "5389943" \| "6563153" \| "6563404" \| "6747357" \| "7030463" \| "7145412").PN. | US-PGPUB; USPAT | OR | ON | 2009/04/20 10:25 |
| S31 | 2 | (Subramanyam near2 Guru and Vorobiev near2 Andre and Gevorgian near2 Spartak).in. | US-PGPUB; USPAT | OR | ON | 2009/04/20 10:35 |
| S32 | 3 | (Subramanyam near2 Guru and Vorobiev near2 (Andre Andrei) and Gevorgian near2 Spartak).in. | US-PGPUB; USPAT | OR | ON | 2009/04/20 10:36 |

| S33 | 17 | (Subramanyam near2 Guru or Vorobiev near2 (Andre Andrei) or Gevorgian near2 Spartak).in. and varactor | US-PGPUB; USPAT | OR | ON | 2009/04/20 10:37 |
| S34 | 4 | S33 and (silicon Si) and (adhesive Ti titanium adhesion Ti) and (metal metallic au gold pt platinum) | US-PGPUB; USPAT | OR | ON | 2009/04/20 10:39 |
| S35 | 9 | S33 and (silicon Si) and (metal metallic au gold pt platinum) | US-PGPUB; USPAT | OR | ON | 2009/04/20 10:41 |
| S36 | 5 | S35 not S34 | US-PGPUB; USPAT | OR | ON | 2009/04/20 10:41 |
| S37 | 8 | S33 not S35 | US-PGPUB; USPAT | OR | ON | 2009/04/20 10:47 |
| S38 | 978 | silicon adj (oxide dioxide) with (ti titanium) with (adhesive adhesion adhere) | US-PGPUB; USPAT | OR | ON | 2009/04/20 11:07 |
| S39 | 266 | S38 with (gold au platinum pt) | US-PGPUB; USPAT | OR | ON | 2009/04/20 11:07 |
| S40 | 32 | S38 with (gold au) with (platinum pt) | US-PGPUB; USPAT | OR | ON | 2009/04/20 11:07 |
| S41 | 0 | "5471363" and varactor | US-PGPUB; USPAT | OR | ON | 2009/04/20 11:09 |
| S42 | 26 | "5471363" | US-PGPUB; USPAT | OR | ON | 2009/04/20 11:09 |
| S43 | 0 | "5471363" and waveguide | US-PGPUB; USPAT | OR | ON | 2009/04/20 11:09 |
| S44 | 1 | ("20050200427").PN. | US-PGPUB; USPAT | OR | OFF | 2009/04/20 11:26 |
| S45 | 3 | "20050200427" | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | OR | OFF | 2009/04/20 11:32 |
| S46 | 1 | ("20070013466").PN. | US-PGPUB; USPAT | OR | OFF | 2009/04/20 11:39 |
| S47 | 14 | silicon adj substrate and ferroelectric with varactor | US-PGPUB; USPAT; USOCR | OR | ON | 2009/04/20 11:42 |
| S48 | 1 | (S40 or S47) and (S45 S46) | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | OR | OFF | 2009/04/20 11:42 |

| S49 | 2 | (S45 S46) | US-PGPUB | OR | OFF | 2009/04/20 11:43 |
|-----|---|-----------|----------|----|----|------------------|
| S50 | 2 | (S45 S48) | US-PGPUB | OR | OFF | 2009/04/20 11:44 |
| S51 | 1 | ("7048992").PN. | US-PGPUB; USPAT | OR | OFF | 2009/04/20 11:54 |
| S53 | 15 | (Hersey near2 Ken or Shamsaifar near2 Khosro or Sengupta near2 Louise) and titanium with adhesion | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | OR | OFF | 2009/04/20 12:02 |
| S54 | 10 | S53 and varactor | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | OR | OFF | 2009/04/20 12:02 |
| S55 | 4 | Paratek.asn. and silicon and titanium with adhesion | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | OR | OFF | 2009/04/20 12:13 |
| S56 | 7 | Zhu near2 Yongfei and titanium with adhesion | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | OR | OFF | 2009/04/20 12:17 |
| S57 | 0 | S56 not S53 | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | OR | OFF | 2009/04/20 12:17 |
| S58 | 7 | S56 and S53 | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | OR | OFF | 2009/04/20 12:18 |
| S59 | 8 | S53 not S56 | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | OR | OFF | 2009/04/20 12:18 |

| S60 | 1 | silicon adj (dioxide oxide) near2 buffer and titanium near2 adhesion | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | OR | OFF | 2009/04/20 12:27 |
|-----|-----|-----|-----|-----|-----|-----|
| S61 | 54 | silicon adj (dioxide oxide) near2 adhesion and titanium near2 adhesion | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | OR | OFF | 2009/04/20 12:29 |
| S62 | 26 | silicon adj (dioxide oxide) near2 adhesion and titanium near2 adhesion and (gold au pt platinum) | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | OR | OFF | 2009/04/20 12:30 |
| S63 | 2 | silicon adj (dioxide oxide) near2 adhesion same titanium near2 adhesion with (gold au pt platinum) | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2009/04/20 13:24 |
| S64 | 94 | silicon adj (dioxide oxide) same titanium near2 adhesion with (gold au pt platinum) | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2009/04/20 13:51 |
| S65 | 109 | silicon adj (dioxide oxide) same titanium near2 adhesion and (gold au) and (pt platinum) | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2009/04/20 14:19 |
| S66 | 96 | silicon adj (dioxide oxide) same titanium near2 adhesion and (gold au) with (pt platinum) | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2009/04/20 14:19 |
| S67 | 8 | silicon adj (dioxide oxide) same titanium near2 adhesion with (gold au) with (pt platinum) | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2009/04/20 14:19 |
| S68 | 554 | ((257/595,601) or (333/164)).CCLS. | US-PGPUB; USPAT | OR | OFF | 2009/04/20 16:46 |

| S69 | 45 | S68 and ferroelectric | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | OR | OFF | 2009/04/20 16:58 |
|---|---|---|---|---|---|---|
| S70 | 1 | (10/223745).APP. | USPAT; USOCR | OR | OFF | 2009/04/20 17:24 |
| S71 | 11 | ("4598424" \| "5032805" \| "5307033" \| "5472935" \| "5561407" \| "5640042" \| "5721194" \| "5760661" \| "6096127" \| "6097263" \| "6377440").PN. | US-PGPUB; USPAT; USOCR | OR | OFF | 2009/04/20 17:24 |
| S72 | 20 | ("4490772" \| "4740716" \| "4906947" \| "5032805" \| "5219827" \| "5307033" \| "5472935" \| "5561407" \| "5576564" \| "5640042" \| "5721194" \| "5726608" \| "5745335" \| "5757612" \| "5830591" \| "5862034" \| "6377142" \| "6404614" \| "6563153" \| "6677142").PN. | US-PGPUB; USPAT; USOCR | OR | OFF | 2009/04/20 17:32 |
| S73 | 12 | ("5312790" \| "5427988" \| "5472935" \| "5486491" \| "5635433" \| "5635434" \| "5640042" \| "5693429" \| "5766697" \| "5830591" \| "5846893" \| "6278158").PN. | US-PGPUB; USPAT; USOCR | OR | OFF | 2009/04/20 17:57 |
| S74 | 2213 | coplanar adj waveguide | US-PGPUB; USPAT; USOCR | OR | OFF | 2009/04/20 18:12 |
| S75 | 717 | coplanar adj waveguide. clm. | US-PGPUB; USPAT; USOCR | OR | OFF | 2009/04/20 18:12 |
| S76 | 6 | ferroelectric with varactor with waveguide | US-PGPUB; USPAT; USOCR | OR | OFF | 2009/04/20 18:23 |
| S77 | 42 | ferroelectric with varactor and waveguide | US-PGPUB; USPAT; USOCR | OR | OFF | 2009/04/20 18:24 |
| S78 | 25 | ferroelectric with varactor and coplanar adj waveguide | US-PGPUB; USPAT; USOCR | OR | OFF | 2009/04/20 18:27 |
| S79 | 1 | ("0646522").PN. | US-PGPUB; USPAT | OR | OFF | 2009/04/20 18:51 |
| S80 | 1 | ("6646522").PN. | US-PGPUB; USPAT | OR | OFF | 2009/04/20 18:51 |

| S83 | 37 | "5576564" | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | OR | OFF | 2009/04/20 18:54 |
| S85 | 8 | "5576564" and waveguide | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | OR | OFF | 2009/04/20 18:54 |
| S86 | 1 | "5576564" and microwave | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | OR | OFF | 2009/04/20 18:55 |
| S91 | 10 | (coplanar adj waveguide cpw) and varactor adj shunt | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | OR | OFF | 2009/04/20 18:59 |
| S92 | 221 | (coplanar adj waveguide cpw) and varactor | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | OR | OFF | 2009/04/20 19:02 |
| S93 | 211 | S92 not S91 | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | OR | OFF | 2009/04/20 19:02 |
| S94 | 27 | (coplanar adj waveguide cpw) and varactor with (switch selector) | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | OR | OFF | 2009/04/20 19:03 |

**4/ 20/ 2009 9:38:12 PM**
**C:\ Documents and Settings\ TDickey\ My Documents\ EAST\ Workspaces\ 10575754.wsp**